

CLAIMS

1. Pluggable server module (10), for remote controlling of a device (11), comprising a wireless transceiver (1), a computing means (3), a server remote control logic (4), a standardized interface and a connector (5) for connecting to said device (11), wherein said wireless transceiver (1) is connected to said computing means (3), said computing means (3) is connected to said server remote control logic (4), and said server remote control logic (4) is connected to said standardized interface and said connector (5).
- 10 2. Pluggable server module according to claim 1, further comprising a wireless protocol stack server (2) connected between said wireless transceiver (1) and said computing means (3).
- 15 3. Pluggable server module according to claim 1 or 2, further comprising a storage means (20) connected to said computing means (3) for storing user interface data.
- 20 4. Device, comprising a logic element (7), wherein the device is characterized by a standardized interface and connector (5) for connecting to a pluggable server, and a control logic (6), wherein said standardized interface and said connector (5) are connected to said control logic (6), and said device control logic (6) is connected to said logic element (7).
- 25 5. Device according to claim 4, further comprising storage means connected to said device remote control logic (6) for storing user interface data.
6. Method for remote controlling of a device (11) by a wireless remote control terminal (12) via a wireless link, a pluggable server (10) connected to said device via a standardized interface and a connector (5), comprising the steps of:
 - transferring a content request by wireless protocol stack via said wireless link from said wireless remote control terminal (12) to said pluggable server (10);
 - invoking the desired remote command in device (11) by using a communication protocol on the standardized interface and connector (5), the remote command being triggered, specified and parameterized by said content request to the pluggable server;
 - executing said command in said device (11);
 - communicating the result of the remote command execution in said device (11) from said device (11) to said pluggable server (10); and
 - creating a corresponding response page in said pluggable server (10); and
 - transmitting and displaying said corresponding response page on the remote control terminal (12).

7. Method according to claim 6, further comprising the steps of:

- transferring user interface content and/or auxiliary content interface by a wireless protocol stack from said pluggable server (10) to said wireless remote control terminal (12), that may contain among others a set of commands for controlling said device (11) or said pluggable server (10) via said wireless link;
- displaying said contents on a display in said wireless remote control terminal (12);

8. Method according to claim 7, further comprising the steps of:

- selecting one of the commands in said terminal (12), by a user input; and
- generating a contents request in said terminal (12) according to said selection.

9. Method for transferring user interface data for preparing the remote controlling of a device by means of a pluggable server module, from said device to said pluggable server module, comprising the steps of:

- detecting a pluggable server module connected to a standardized interface and a connector of said device ;
- retrieving said user interface data from a storage means of said device; and
- transferring said user interface data to said pluggable server module via said standardized interface and said connector.

10. Method for retrieving user interface data for preparing the remote controlling of a device by means of a pluggable server module, comprising the steps of:

- requesting device identifying information from said device, containing at least device and manufacturer related information;
- receiving and storing said device identifying information in said pluggable server module;
- transferring said device identifying information to a network access point which may be the remote control terminal (12) itself;
- transferring said device identifying information from said Network Access Point to a communication network;
- receiving said user interface data by response from said communication network; and
- storing said user interface data in said pluggable server module.

11. Method according to claim 10, wherein the transfer of said device identifying information from said remote control terminal to said communication network is executed by:

- transferring said device identifying information first to an internet access point via a telephone network, and then

- transferring said device identifying information from said internet access point to said communication network via Internet.

12. Computer program for remote controlling of a device (11) by a wireless remote control

5 terminal (12) via a low power radio link, a pluggable server (10), comprising program code means for carrying out the steps of anyone of claims 6 to 11 when said program is run on an installation bus gateway (10) or a user interface device (20).

13. Computer program product, comprising program code means stored on a computer readable

10 medium for carrying out the method of anyone of claims 6 to 11 when said program product is run on an installation bus gateway (20) or a user interface device (20).

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